



RIBITS User Handbook

RIBITS
Regulatory In-lieu Fee and Bank Information Tracking System

[Manage] [Calendar]

Navigation

- Home
- Mitigation Concepts
- Existing Banks & ILF Sites
- Reporting
- Bank Establishment
- Assessment Tools
- Credit Classifications
- Related Sites
- Training
- ILF Programs

Map for Sacramento

☐ Roads ☐ Borders

A map of the United States with state boundaries and major cities labeled. Sacramento, California, is highlighted with a red dot. Other cities shown include Seattle, Portland, Walla Walla, Omaha, St. Paul, Detroit, Buffalo, New York, Chicago, Rock Island, Pittsburgh, Philadelphia, Louisville, Huntington, Norfolk, St. Louis, Kansas City, Little Rock, Nashville, Wilmington, Los Angeles, Albuquerque, Tulsa, Memphis, Charleston, Savannah, Vicksburg, Mobile, Ft. Worth, New Orleans, Galveston, and Jacksonville. Data sources listed at the bottom: Data SIO, NOAA, U.S. Navy, NGA, GEBCO; Image USDA Farm Service Agency; Image © 2010 TerraMetrics; Image © 2010 DigitalGlobe.

New Items

- [Plug-in Information](#)

Map Results

Select One To Filter By

LOGOUT MTHOMPSON

USACE District: Sacramento

State: ALL STATES

USFWS Field Office: ALL OFFICES



RIBITS Background

Federal resource agencies, including the U.S. Army Corps of Engineers (Corps), started an initiative several years ago to better track mitigation banking. The product resulting from this initiative is the RIBITS (**R**egulatory **I**n-Lieu Fee and **B**ank **I**nformation **T**racking **S**ystem), which was developed by the Corps Engineer Research and Development Center (ERDC) and Applied Research Associates, Inc. (ARA). In accordance with a national initiative, most Districts have completed loading mitigation bank data into RIBITS which is intended to bring transparency to mitigation banking by providing public access to the location of bank sites, bank service areas, available credits and bank points of contract. The system is currently being adapted to track In-Lieu Fee projects as well.

General Instructions for RIBITS Users

The RIBITS web address has been simplified, so the newest version of RIBITS can be accessed by using the following web address: <https://ribits.usace.army.mil>.

RIBITS is still a relatively new system and is hosted on a Corps of Engineers server. Many of the people who will be accessing it do not access Department of Defense (DoD) web sites on a regular basis. When attempting to access these types of DoD web sites, you may receive a warning message stating: "There is a problem with this website's security certificate." This is because most web browsers are not set up to trust the identity of DoD web sites by default.

When you access <https://ribits.usace.army.mil>, the first page you will see is intended to provide guidance on adding security certificates if your browser requires them. If you click the

Click Here to Proceed

link and you do not proceed to the RIBITS home page, you will need to follow the steps provided on the page to add the appropriate security certificates. A screen shot of this page and the instructions are provide on the next page.



If your browser lets you view the DoD security certificate, follow your browser's instructions for viewing, accepting, and saving the DoD security certificate, and then proceed to the RIBITS home page. The procedure is safe even though your browser may make you nervous by providing warning messages that sound unsafe.



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The initial page you should see when accessing RIBITS is shown below. If you need to follow the instructions for adding the security certificates, they have been included below the screenshot for easier viewing.





Welcome to RIBITS

RIBITS (Regulatory In lieu fee and Bank Information Tracking System) was developed by the U.S. Army Corps of Engineers with support from the Environmental Protection Agency to provide better information on mitigation banking and in-lieu fee programs across the country. RIBITS allows users to access information on the types and numbers of mitigation bank and in-lieu fee program sites, associated documents, mitigation credit availability, service areas, as well information on national and local policies and procedures that affect mitigation bank and in-lieu fee program development and operation.

[Click Here to Proceed](#)

[A Note on Web Browser Security Warnings and Accessing RIBITS](#)

STEP I.

RIBITS is hosted on a US Army Corps of Engineers web server. Many RIBITS users do not regularly access Department of Defense (DoD) web sites. When attempting to access DoD web sites (such as RIBITS) that use encryption to protect passwords, you may receive a warning message stating: "There is a problem with this website's security certificate." This is because most web browsers are not set up to trust the identity of DoD web sites by default.

Your browser may let you view the DoD security certificate, accept it, and then proceed to the RIBITS home page. If this is the case, follow your browser's instructions for viewing, accepting, and saving the DoD security certificate. The procedure is safe even though your browser may make you nervous by providing warning messages that sound unsafe.

If your computer cannot accept the web certificate at this stage, go to Step II.

STEP II

Go to <http://dodpki.c3pki.chamb.disa.mil/rootca.html> where the DoD security certificate is available for installation. A DoD security certificate is not necessary to view this website.

STEP III: From the above web site, download only the Class 3 Root CA Certificate and the Root CA 2 Certificate.

- Double click on "Download Class 3 Root CA Certificate" then select Open. (If asked, click on Allow to the Crypt Shell Extensions from Microsoft Windows)
- Click on the Right facing arrow next to folder location for the certificate in the left hand pane to expand it, then double click on "Certificates"
- On the right hand pane listing the certificates, double click one of the two the DoD CLASS 3 Root CA files then click the Install Certificate button.
- Click Next in the Certificate Import Wizard, select "Place all certificates in the following store" and click Browse. Select "Trusted Root Certification Authorities", then click on OK. Click Next, then click on Finish. If successful, you will get an import successful message.

Close the certificate manager window and repeat this process for "Download Root CA 2 certificate". Double click and expand the Certificate list, scroll to the bottom and double click one of the DoD Root CA 2 certificates. (located at the end of the list) Follow the instructions above to install.

- Close your browser. Reopen the browser and access the RIBITS website again.

Based on the feedback we have received so far, there are two browsers, Mozilla Fire Fox and Safari, that let will you view the DoD certificate, accept it, and then proceed to the website. Internet Explorer and Google Chrome require the steps described above.

If you have further questions or need assistance with obtaining the DoD certificate, please feel free to email ribits_helpdesk@araseas.com

INSTRUCTIONS FOR ADDING SECURITY CERTIFICATES

STEP I.

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- a. Double click on "Download Class 3 Root CA Certificate" then select Open. (If asked, click on Allow to the Crypt Shell Extensions from Microsoft Windows)
- b. Click on the Right facing arrow next to folder location for the certificate in the left hand pane to expand it, then double click on "Certificates"
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- d. Click Next in the Certificate Import Wizard, select "Place all certificates in the following store" and click Browse. Select "Trusted Root Certification Authorities", then click on OK. Click Next, then click on Finish. If successful, you will get an import successful message.
- e. Close the certificate manager window and repeat this process for "Download Root CA 2 certificate". Double click and expand the Certificate list, scroll to the bottom and double click one of the DoD Root CA 2 certificates (located at the end of the list). Follow the instructions above to install.
- f. Close your browser. Reopen the browser and access the RIBITS website again.
- g. Based on the feedback we have received so far, there are two browsers, Mozilla Fire Fox and Safari, that let will you view the DoD certificate, accept it, and then proceed to the website. Internet Explorer and Google Chrome require the steps described above.

If you have further questions or need assistance with obtaining the DoD certificate, please feel free to email ribits_helpdesk@araseas.com

Once you click the access link, **Click Here to Proceed**, you should be taken to the RIBITS homepage shown on the next page.

RIBITS

Regulatory In-lieu Fee and Bank Information Tracking System



RIBITS

Regulatory In-lieu Fee and Bank Information Tracking System

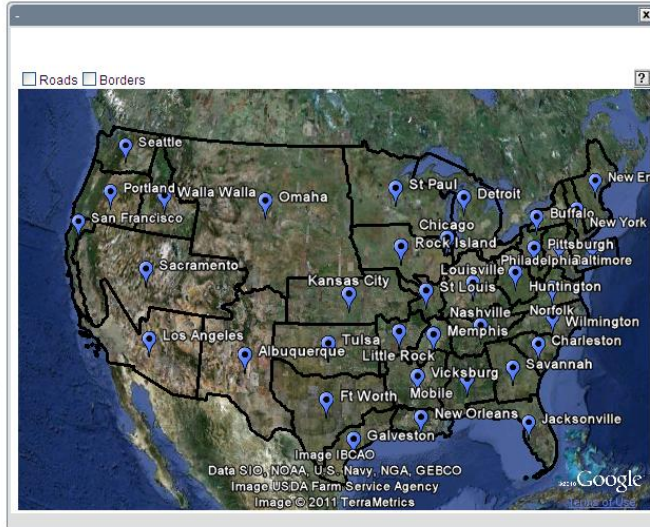


Navigation

- Home
- Mitigation Concepts
- Existing Banks & ILF Sites
- Reporting
- Bank & ILF Establishment
- Assessment Tools
- Credit Classifications
- Related Sites
- Training
- ILF Programs

Select One To Filter By

- LOGIN
- USACE District: ALL DISTRICTS
- State: ALL STATES
- USFWS Field Office: ALL OFFICES
- Feedback



News

- [Plug-in Information](#)
- [Security Certificates](#)

Map Results

Select One To Filter By

- LOGIN
- USACE District: ALL DISTRICTS
- State: ALL STATES
- USFWS Field Office: ALL OFFICES
- Feedback

If you are a member of the general public or do not have Administrative privileges in RIBITS, do not attempt to enter a Username or Password; instead go to the box in the lower left corner of the page labeled “Select One to Filter By”



RIBITS Instructions for Public Users

The screenshot shows the RIBITS website interface. At the top, there is a header with the RIBITS logo and the title 'Regulatory In-lieu Fee and Bank Information Tracking System'. Below the header is a navigation box on the left side with a list of buttons: Home, Mitigation, Existing, Reporting, Bank Est, Assessment, Credit Cl, Related, Training, and ILF Progr. To the right of the navigation box is a large dropdown menu listing all districts, with 'Jacksonville' selected. Below the dropdown menu is a 'Select One To Filter' section with three dropdown menus: 'USACE District' (set to 'ALL DISTRICTS'), 'State' (set to 'ALL STATES'), and 'USFWS Field Office' (set to 'ALL OFFICES'). At the bottom of the selection section is a 'Feedback' button with a small icon.

Select the Corps District, State, or U.S. Fish & Wildlife Service Field Office you are interested in from the drop down lists. That will take you to that District, State, or USFWS Field Office's RIBITS pages.

In this example, the Jacksonville District has been selected.

From this point on, everything you see in RIBITS is filtered based on the selection you made. For this manual, all examples will be filtered based on a selection of the Jacksonville District.

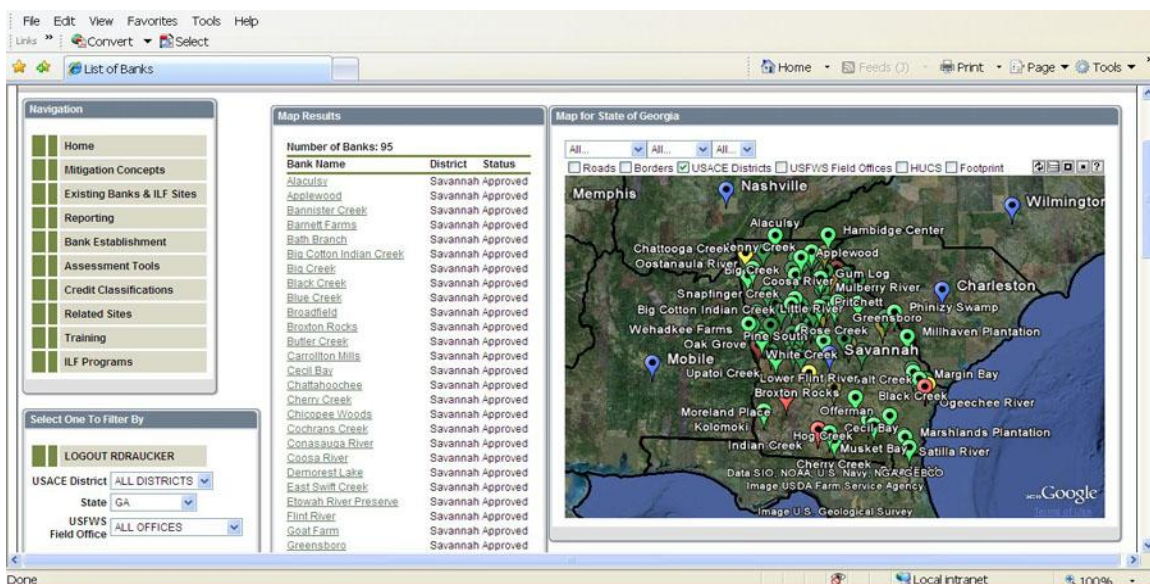
CONVENTION NOTE: As used in this handbook, unless specifically addressed otherwise, the terms "bank" or "banks" applies to both mitigation banks and in-lieu-fee projects.

General navigation around the RIBITS site is accomplished by use of the buttons located within the Navigation box on the left side of the page. Each button provides information on a different aspect of mitigation and mitigation banking. Both National and District-specific guidance is available for each of these topics based on the District selected when entering the site. For example:



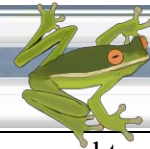
- “Mitigation Concepts” includes copies of the Mitigation Rule and a very helpful glossary of terms.
- “Existing Banks & ILF Sites” will provide a list of all publicly viewable mitigation bank and ILF projects within the area selected.
- The “Reporting” button allows the user to prepare and execute queries of the data in RIBITS.
- “Bank Establishment” identifies useful information related to the establishment of mitigation banks that is applicable across the United States and any District-specific guidance.
- “Assessment Tools” provides references to aid in understanding the assessment methodologies utilized in the selected District.
- “Credit Classifications” identify the types of wetland and stream credits available for the specified District.

If you select “Existing Banks & ILF Sites”, the system will take a few moments to generate a list of Approved bank sites. If you have not already selected an area of interest as noted on page 1, you will be provided with a list of ALL approved banks projects within the Corps. On this screen and on all screens associated with the bank projects which include a Google Earth map box, the system operates a bit slower due to the data pull from Google Earth.



The Google Earth map box includes some features to allow you to filter the banks shown or to make some other features visible.

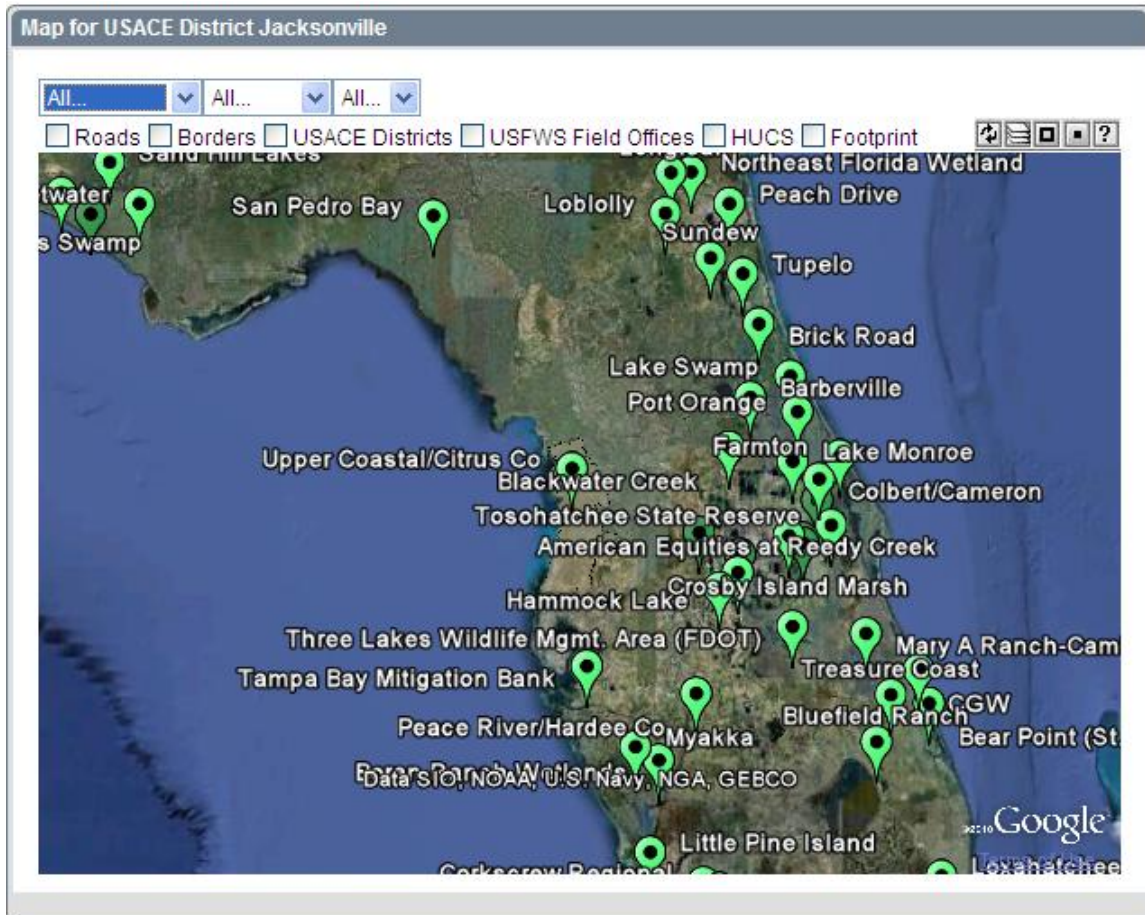
The filter boxes are dropdown menus. The first filter box (on the left) allows you to view banks based on status. These include “Approved, Suspended, Pending, Sold-Out and



Terminated.” As a general user, you will only see banks which have been opened to public viewing and the color of the icon for each bank will identify the basic status of Approved (green), Pending (yellow) and Suspended, Sold-Out or Terminated (red).

The second filter box uses bank type to limit what is viewed. Currently the types are limited to “Wetland, Stream or Species.”

The third filter box is tied to what is selected in the Second filter box. The dropdown will include whatever District specific elements have been created.



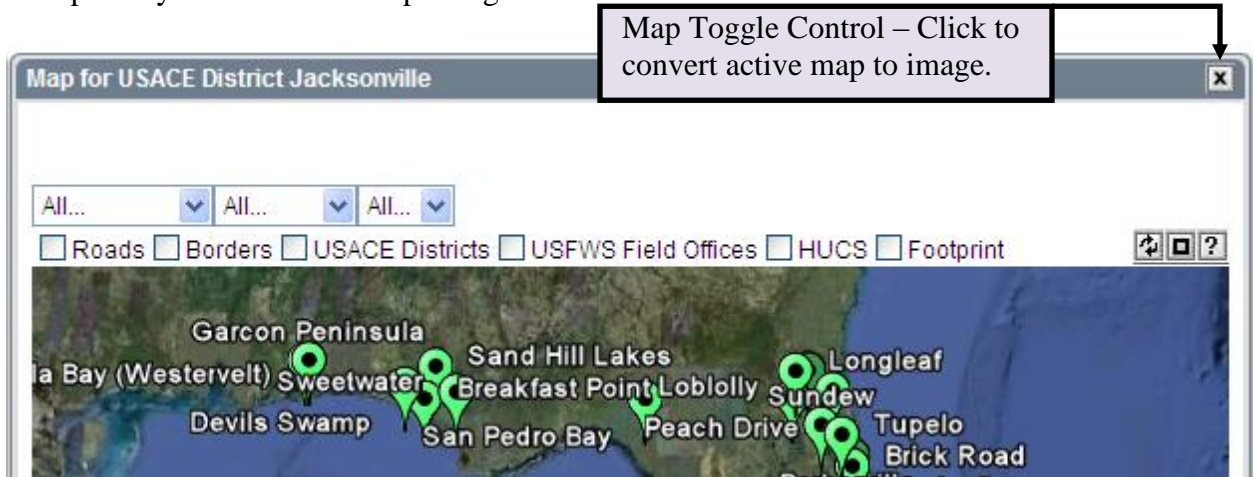
The Check-box items are self-explanatory as to what will be visible when they are checked. As is common with Google Earth, different components of the selected features will be visible at different elevations.

RIBITS

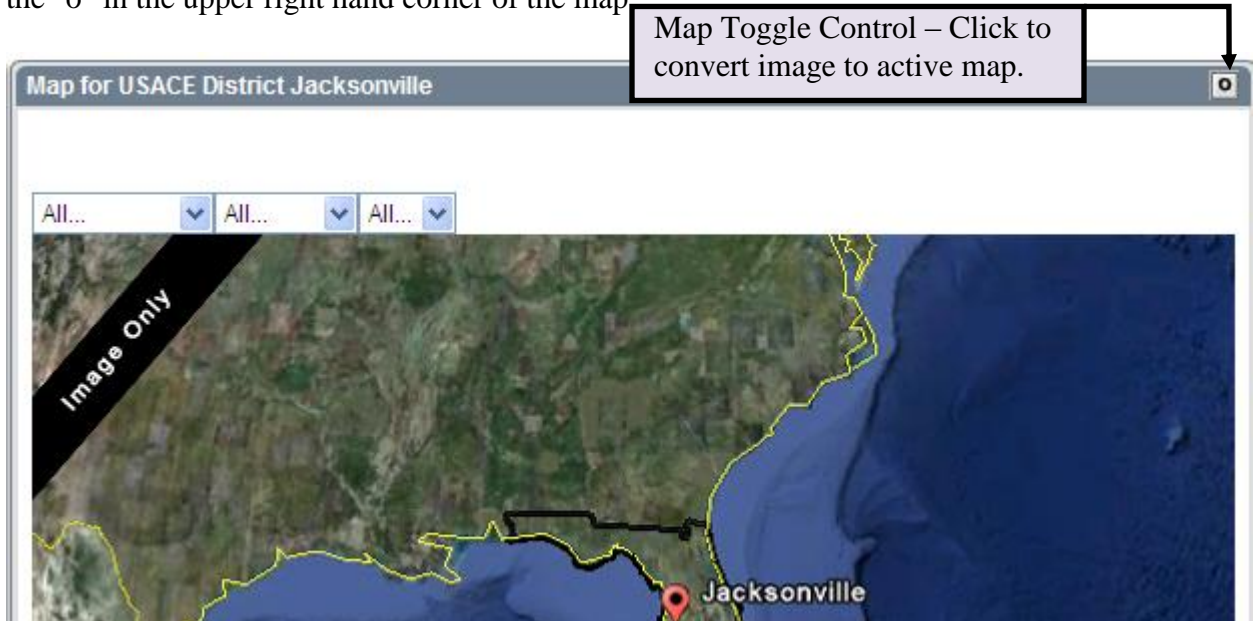
Regulatory In-lieu Fee and Bank Information Tracking System




The toggle for turning the map "on" or "off" is located in the upper right corner of the map (see screen shot below). It is depicted as an "x" when the map is active and an "o" when the map has been turned "off". When the map is toggled "off" an image is displayed, but it is not a functional map (you can't filter bank data, zoom in or out, display HUCs, etc). The advantage is that RIBITS loads substantially faster. This may be especially useful for those updating data for a number of banks.








The map is just as easily toggled "on" to resume use of the Google Earth map by clicking the "o" in the upper right hand corner of the map





The small toolbar  provides additional ways to manage the Google Earth map box and features. Clicking the “?” will provide the following information:


Approved  Pending  Suspended/Sold-Out/Terminated 

Maximum Map Size:  Regular Map Size 

Layers


Check/uncheck to show/hide the corresponding layers:

- **Roads:** Displays road map information for the viewing area, including major highways, county roads, and streets.
- **Borders:** Displays coastlines, states, and counties.
- **Districts:** Displays USACE districts.
- **Hucs:** Displays HUCs.
- **Footprints:** Displays Footprint of Banks.

***Note:** So that the map remains responsive, Districts and Hucs are not automatically updated when you pan and/or zoom the map. If either checkbox for Districts or Hucs is selected, you may press the **Refresh Layers**  button to refresh the districts and hucs in the current view.

Keyboard Commands

- Ctrl-click on the map to identify the features under the clicked point.
- Ctrl-click on a district to select the district and display its banks.
- Click on a bank to see its credit ledger.
- Ctrl-click on a bank to toggle the display of its service area.
- Alt-click on the map to return only those banks in the selected district whose service areas overlap the clicked point.

***Note:** Press the **Refresh Banks**  button to display all banks for the selected district. Useful to redisplay banks after performing a service area query with the Alt-click command.

Some additional notes on the click commands provided above:

Control - Click on the map to find out details for that point, including the lat/long of the point, the county, and watershed in which the point is located. In order to get the lat/long of a bank, you must click on the bottom of the bank's icon

Click on the icon of a bank and you will get an overview of the bank's credit balance including available credits and the date of the most recent credit transaction..

Control - Click on a bank will provide the Service Area for that bank, but ONLY if one has been loaded

Alt - Click on a point on the map to get a list of the banks whose service area overlaps the clicked point. This feature relies on having all bank service areas uploaded into RIBITS.



Clicking on one of the listed banks takes the user to a summary page for that bank. The summary page will include several information boxes containing general information on the bank project (including the Functional Analysis used at that project), contact information for the bank, the Google Earth interface and a summary of the credit ledger.

Map Results

Number of Banks: 50

Bank Name	District	Status
American Equities at Reedy Creek	Jacksonville	Approved
Barberville	Jacksonville	Approved
Bear Point (St. Lucie Co-Mosquito Control District)	Jacksonville	Approved
Big Cypress	Jacksonville	Approved
Big Cypress, Phase VI	Jacksonville	Approved
Blackwater Creek	Jacksonville	Approved
Bluefield Ranch	Jacksonville	Approved
Boran Ranch Wetlands	Jacksonville	Approved
Breakfast Point	Jacksonville	Approved
Brick Road	Jacksonville	Approved
CGW	Jacksonville	Approved
Colbert/Cameron	Jacksonville	Approved
Corkscrew Regional	Jacksonville	Approved
Crosby Island Marsh	Jacksonville	Approved
Devil's Swamp	Jacksonville	Approved
East Central Florida - Eco Bank	Jacksonville	Approved
FP&L Everglades Phase I	Jacksonville	Approved
FP&L Everglades Phase II	Jacksonville	Approved
Farmton	Jacksonville	Approved
Florida Mitigation Bank	Jacksonville	Approved
Florida Wetlandsbank at Pembroke Pines	Jacksonville	Approved
Garcon Peninsula	Jacksonville	Approved
Hammock Lake	Jacksonville	Approved
Lake Louisa/Green Swamp Ecobank	Jacksonville	Approved
Lake Monroe	Jacksonville	Approved
Lake Swamp	Jacksonville	Approved
Little Pine Island	Jacksonville	Approved
Loblolly	Jacksonville	Approved
Longleaf	Jacksonville	Approved
Loxahatchee	Jacksonville	Approved
Mary A Ranch-Cambell Property	Jacksonville	Approved
Myakka	Jacksonville	Approved



By clicking on one of the action buttons, such as “View Ledger” or “Cyber Repository” located in the upper right portion of the screen, under the “frog”, the user can access data specific to that bank.



Once you have clicked on one of these actions, you will be taken to another screen which will have additional action/s buttons available. These will be listed in the same manner as the ones shown above. ‘Bank Info’ will be a selection on each screen and it will return you to the main bank screen.

View Ledger will take you to the ledger for that specific bank. Here you can see each individual entry in the ledger as well as an overview of transaction usage. Additionally, you can query the ledger using several different filters or text. To see if credits were purchased to satisfy a specific permit, you would type the permit number in the box labeled “Permit No.” To make sure you get the best return, only enter the sequential portion of the permit number and press the “Enter” key on your keyboard. For example, to see if credits have been purchased for SAJ-2005-08502, you just need to enter 8502 in the “Permit No” text box and press the “Enter” key.

Ledger data can be exported by clicking “Export to Excel” in the lower left corner of the ledger.

Bank Contact Sheet will take you to a screen where you can view information concerning who is part of the IRT and who is the bank manager for the Corps for that bank site.

Annual Inspections will provide a list of any annual inspections which have taken place.

Cyber Repository will take you to a screen where different documents pertaining to that bank/ILF project are stored and can be downloaded.

Photo Gallery – self explanatory.



This is the screen you will see when you click **View Ledger**. From here you can view/query the ledger using several different filters or text and export the results to an Excel spreadsheet. The “Export to Excel” button will be located in the lower left corner of the ledger.

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[Bank Info] [Credit Release Schedule] [Existing Banks]

Credit Ledger at a Glance for Upper Coastal/Citrus Co

Last Transaction: Jun 24, 2010

Name	Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland				
Forested - Hardwood Swamp	6.53	2.93	9.46	15.79
Non-Forested Wetland	1.06	0	1.06	1.77

Query Ledger

Extended View ☒ No ☐ Yes

Transaction Type

Credit Classification

Jurisdiction

Permit No

Query Ledger District Specific Fields

Display Name Value

Silver

Purple

TW = Total Withdrawal Credits, BOR = Balance of Released Credits

Type	Jurisdiction	Date	Credits	Permits	Credit Classification	Impact HUC	Impact Quantity	TW	BOR	MP	Comment	Silver	Purple
Init	Federal	12/08/2009	15.31		Forested - Hardwood Swamp			0	0	15.31			
Init	Federal	12/08/2009	.48		Forested - Hardwood Swamp			0	0	15.79	Enhancement area included within overall Preservation area.		
Init	Federal	12/08/2009	1.41		Non-Forested Wetland			0	0	17.2	Enhancement area included within overall Preservation area.		
Init	Federal	12/08/2009	.38		Non-Forested Wetland			0	0	17.58	Enhancement area included within overall Preservation area.		
Rel	Federal	06/24/2010	9.46		Forested - Hardwood Swamp			0	9.46	17.58	Recordation of conservation easement, installation of "No Trespassing" signs, and completion of the removal of exotic vegetation.		
Rel	Federal	06/24/2010	1.06		Non-Forested Wetland			0	10.52	17.58	Recordation of conservation easement, installation of "No Trespassing" signs, and completion of the removal of exotic vegetation.		
Wdr	Federal	06/24/2010	.04	SAJ-2008-00466	Forested - Hardwood Swamp			.04	10.48	17.52			
Wdr	Federal	06/24/2010	2.89	SAJ-2008-03399	Forested - Hardwood Swamp			2.93	7.55	14.63			

[Export to Excel](#)

Using the options within the “Query Ledger” box, you can search using a variety of different filters which can be used individually or in combination.

Query Ledger

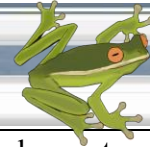
Extended View ☒ No ☐ Yes

Transaction Type

Credit Classification

Jurisdiction

Permit No



Extended View – If you select “Yes” for this option, the ledger view will change to include ledger columns for each specific credit type which has been assigned to that particular bank.

The screenshot shows the 'Query Ledger' form with the following fields:

- Extended View:** Radio buttons for 'No' and 'Yes' (selected).
- Transaction Type:** A dropdown menu currently set to 'All'.
- Credit Classification:** A dropdown menu currently set to 'All'.
- Jurisdiction:** A dropdown menu currently set to 'All'.
- Permit No:** A text input field.

Below the form is a table with columns for 'Impact HUC', 'Impact Quantity', and two main categories: 'Forested - Hardwood Swamp' and 'Non-Forested Wetland'. Each of these categories has two sub-columns: 'TW' and 'BoR'. An orange circle highlights the 'Forested - Hardwood Swamp' and 'Non-Forested Wetland' sections of the table.

Impact HUC	Impact Quantity	Forested - Hardwood Swamp		Non-Forested Wetland	
		TW	BoR	TW	BoR

Transaction Type – This is a drop down selection box. The available selection options include “All, Initiation, Release, Withdrawal and Pending.” Once you select an option, the ledger view will be updated to show only those Transaction Types.

Credit Classification - This is a drop down selection box. The available selection options will be limited to “All” and any specific credit types which have been assigned to that particular bank. Once you select an option, the ledger view will be updated to show only transactions with that specific Credit Classification type.

Jurisdiction - This is a drop down selection box. The available selection options will include “All, Non Federal and Federal.” Once you select an option, the ledger view will be updated to show only transactions which match the selected Jurisdiction type.

Permit No – (For this filter to work, you MUST use the “Enter” key on your keyboard as noted below.) Using this text box, you can search the ledger to see if credits were purchased to satisfy the compensatory mitigation requirements of a specific permit. In order to use this feature, you would type the permit number in the box labeled “Permit No.” To make sure you get the best return, only enter the sequential portion of the permit number and press the “Enter” key on your keyboard. For example, to see if credits have been purchased for SAJ-2005-08502, you just need to enter 8502 in the “Permit No” text box and press the “Enter” key.



Some Districts may add some district specific columns to the ledger. These columns will have a variety of uses, dependent upon the needs of the district. These columns may also be filtered in the same manner as the standard columns of the ledger using the filters within the “Query Ledger District Specific Fields” box. The image below is from the Jacksonville District ledger entries.

Query Ledger District Specific Fields

Display Name	Value
Silver	All ▼
Purple	All ▼

Filter

The names of the columns and the values within the drop down will vary from district to district. Once you have selected one or more filter options, click the “Filter” button to obtain the results.